

## ABSTRACT OF THE DISCLOSURE

A system and method use multiple access technologies at an access device to increase capacity and throughput. The system comprises an access device configured to communicate with a wireline switch and a wireless switch. The access device may use  
5 one or more access technologies, including digital subscriber line protocols (xDSL), multipoint multichannel distribution system (MMDS), hybrid fiber coax (HFC), satellite, and other access technologies. Preferably the access device uses inverse multiplex asynchronous transfer mode (IMA) to inversely multiplex and multiplex wireline communications and wireless communications. The wireline switch is configured to  
10 communicate with the access device using wireline communications. The wireless switch is configured to communicate with the access device using wireless communications.

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